

DART

DESIGN #	DRAWN BY UP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3192	REV. A SHEET 1 OF 5
DATE 03.07.01		TITLE UTILITY POD ASSEMBLY	SCALE NTS
A	03.07.01	NEW ISSUE	

Qty -041	Qty -042	Part Number	Description
X		D3192-041	UTILITY POD ASSEMBLY, LH
	X	D3192-042	UTILITY POD ASSEMBLY, RH
1	1	D2195	BRACKET
1	1	D2196	BRACKET
1	1	D2197	BRACKET
6	6	D2198-1	BRACKET
1	1	D2200-1	POD LID
1	1	D2200-3	POD BASE
3	3	D2204-6	LATCH
2	2	D2204-9	LATCH
1	1	D2258-220	PLACARD
1	1	D2429-041	SPRING CLIP ASSEMBLY
1	1	D2462-1700	NEOPRENE SEAL
5	5	D2528-1	BACKER PLATE
4	4	D2528-3	BACKER PLATE
1	1	D2569	HINGE
1	1	D3007-041	PROP ASSEMBLY
3	3	D3191-1	BACKER PLATE
3	3	D3191-3	BACKER PLATE
38	38	AD64ABS	RIVET
30	30	AN3-10A	BOLT
30	30	AN3-4A	BOLT
6	6	AN4-11A	BOLT
13	13	AN4-5A	BOLT
1	1	AN4-6A	BOLT
2	2	AN526C632R7	SCREW
60	60	AN960JD10	WASHER
21	21	AN960JD416	WASHER
2	2	AN960JD6	WASHER
2	2	MS21042L06	NUT (OR MS21042-06)
60	60	MS21042L3	NUT (OR MS21042-3)
20	20	MS21042L4	NUT (OR MS21042-4)

GENERAL NOTES:

- 1) TRANSFER DRILL UNSPECIFIED HOLES FROM ATTACHING PART AS FOLLOWS:
AN526C632 → DRILL Ø0.141
AN3 → DRILL Ø0.191
AN4 → DRILL Ø0.257
AD64ABS → DRILL Ø0.194
- 2) SEAL ALL HOLES AND EDGES OF POD WITH CYANOACRYLATE GLUE.
- 3) FOR D2569 HINGE:
 - (i) INSTALL RIVET HEADS FROM OUTSIDE OF POD.
 - (ii) GRIND TRAILING EDGE OF RIVET TO PERMIT HINGE TO CLOSE.
 - (iii) ENSURE ALL RIVET HOLES ARE DRILLED ON THE LARGER HINGE TABS AS SHOWN IN DETAIL A.
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 5) ALL DIMENSIONS ARE IN INCHES.
- 6) FOR HOLES DRILLED THROUGH FOAM CORE:
 - a) DRILL Ø0.313" HOLES THROUGH POD.
 - b) CLEAN OUT FOAM 0.250" AROUND HOLE BETWEEN INNER AND OUTER SKINS.
 - c) APPLY TAPE TO UNDERSIDE OF SKIN (TO STOP EPOXY FILLER GOING THROUGH).
 - d) FILL CAVITY BETWEEN SKINS COMPLETELY WITH 'HYSOL EA934' OR SIMILAR EPOXY POTTING COMPOUND.
 - e) AFTER THE EPOXY HAS COMPLETELY CURED, DRILL Ø0.257" FINISH HOLE SIZE FOR AN4 BOLT OR Ø0.191" FINISH HOLE SIZE FOR AN3 BOLT.
- 7) RELIEVE D2200-1 POD LID LOCALLY IN AREA OF D2195/D2196/D2197 BRACKETS TO CLEAR BRACKETS.
- 8) INSTALL D3191-1/-3 BACKER PLATE USING SIKAFLEX-241/-291 ADHESIVE.

Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.





UNDER REVIEW

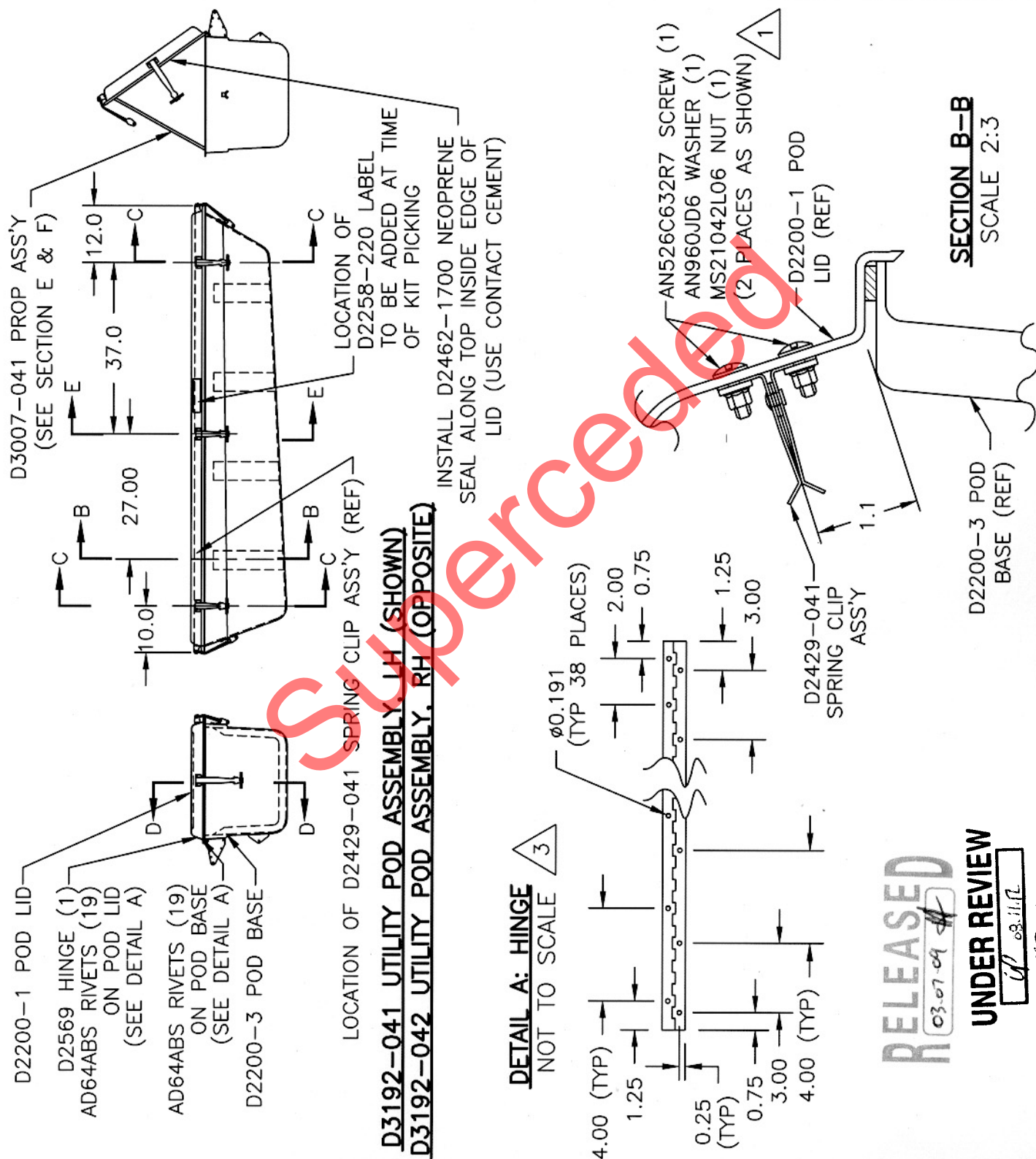
RELEASED

03.07.01

NCR 03-110



DESIGN 	DRAWN BY 	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. D3192	REV. A SHEET 2 OF 5
DATE 03.07.01		TITLE UTILITY POD ASSEMBLY	SCALE 1:30

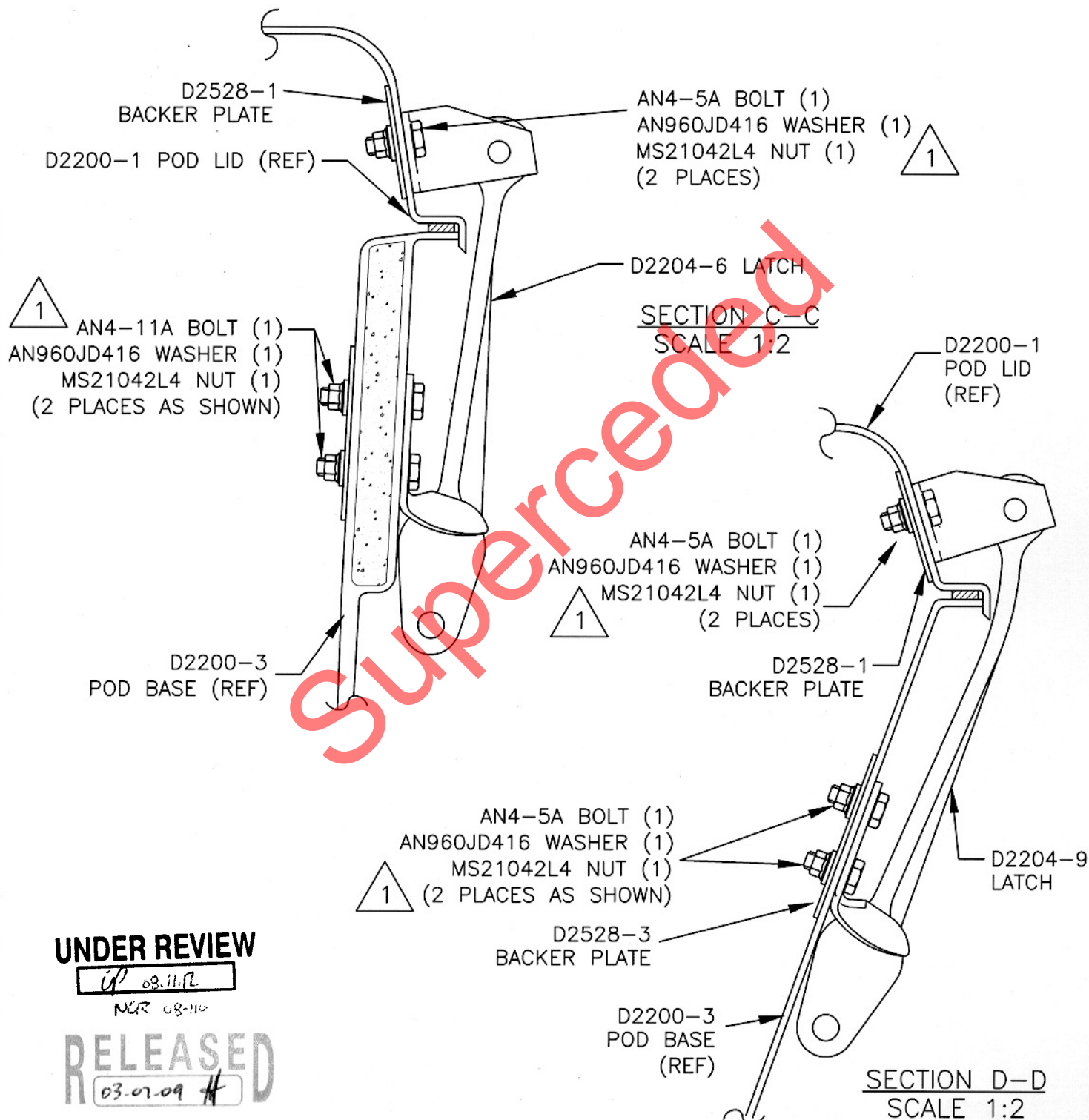


Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



DESIGN #	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3192	REV. A SHEET 3 OF 5
DATE 03.07.01		TITLE UTILITY POD ASSEMBLY	SCALE 1:2

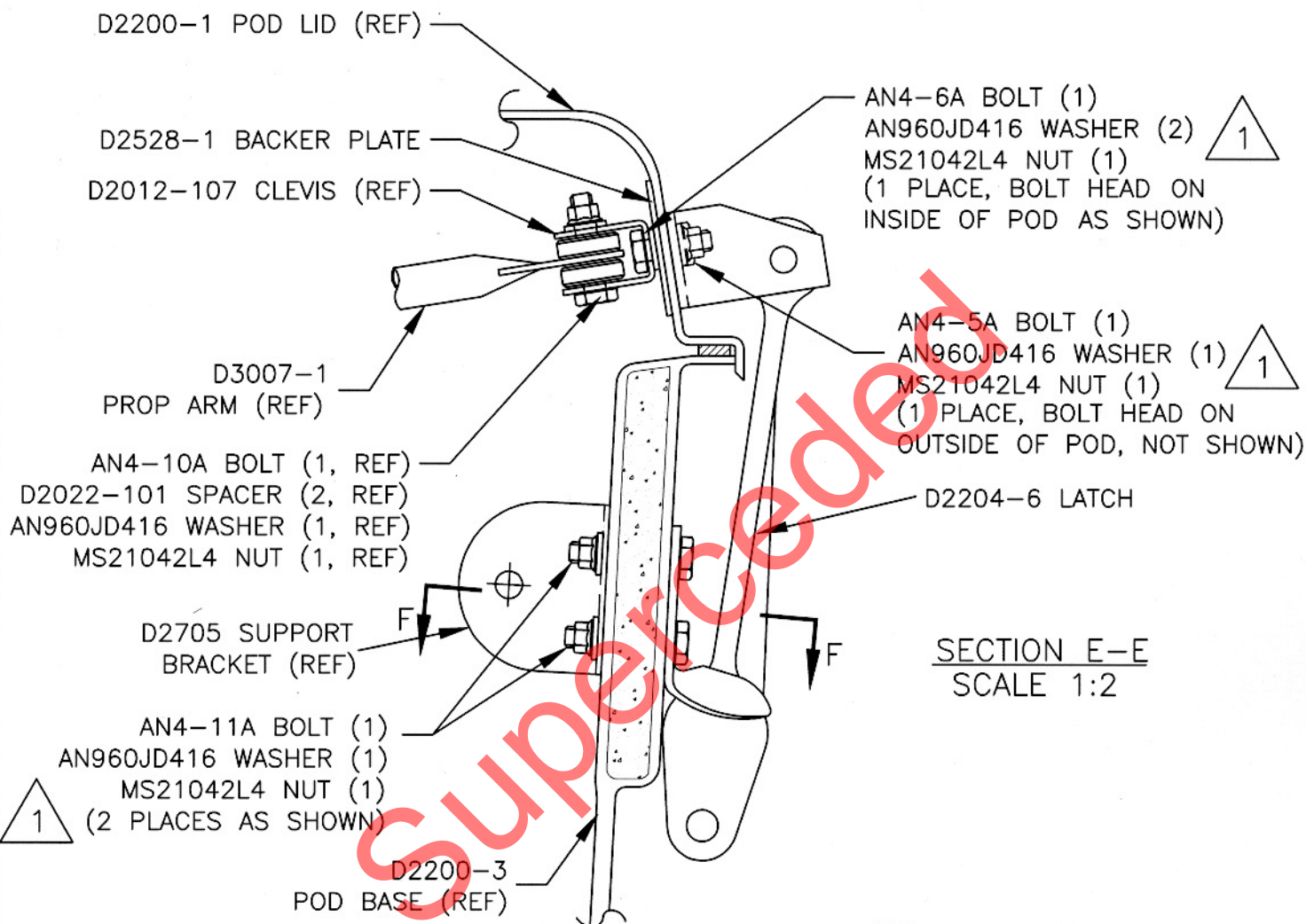


Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

DART

DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3192	REV. A SHEET 4 OF 5
DATE 03.07.01		TITLE UTILITY POD ASSEMBLY	SCALE 1:2



SECTION E-E
SCALE 1:2

RELEASED
03.07.09 *[Signature]*

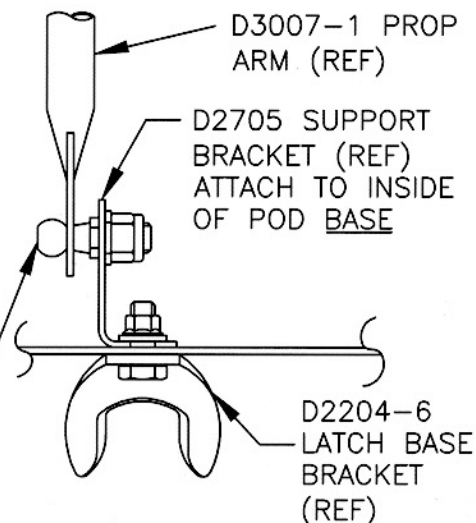
UNDER REVIEW

[Signature] 03.11.02

NCR 08-110

SECTION F-F
SCALE 1:2
SECTION ROTATED 85° CW

SL69-BS BALL STUD (1, REF)
D3015-3 LOCKNUT (1, REF)
AN960JD516 WASHER (1, REF)

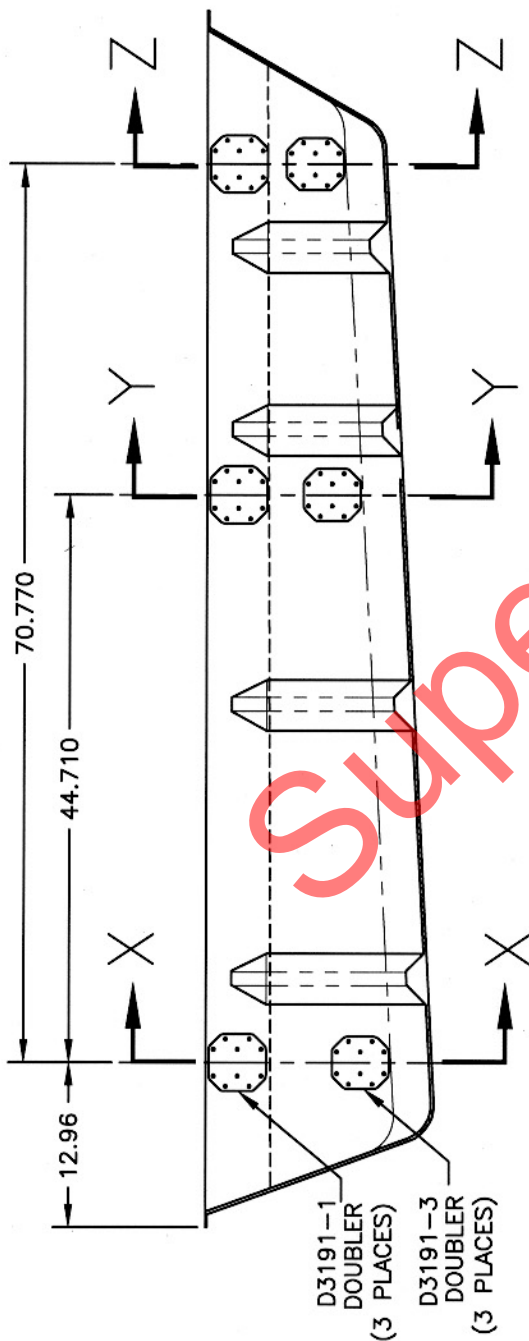
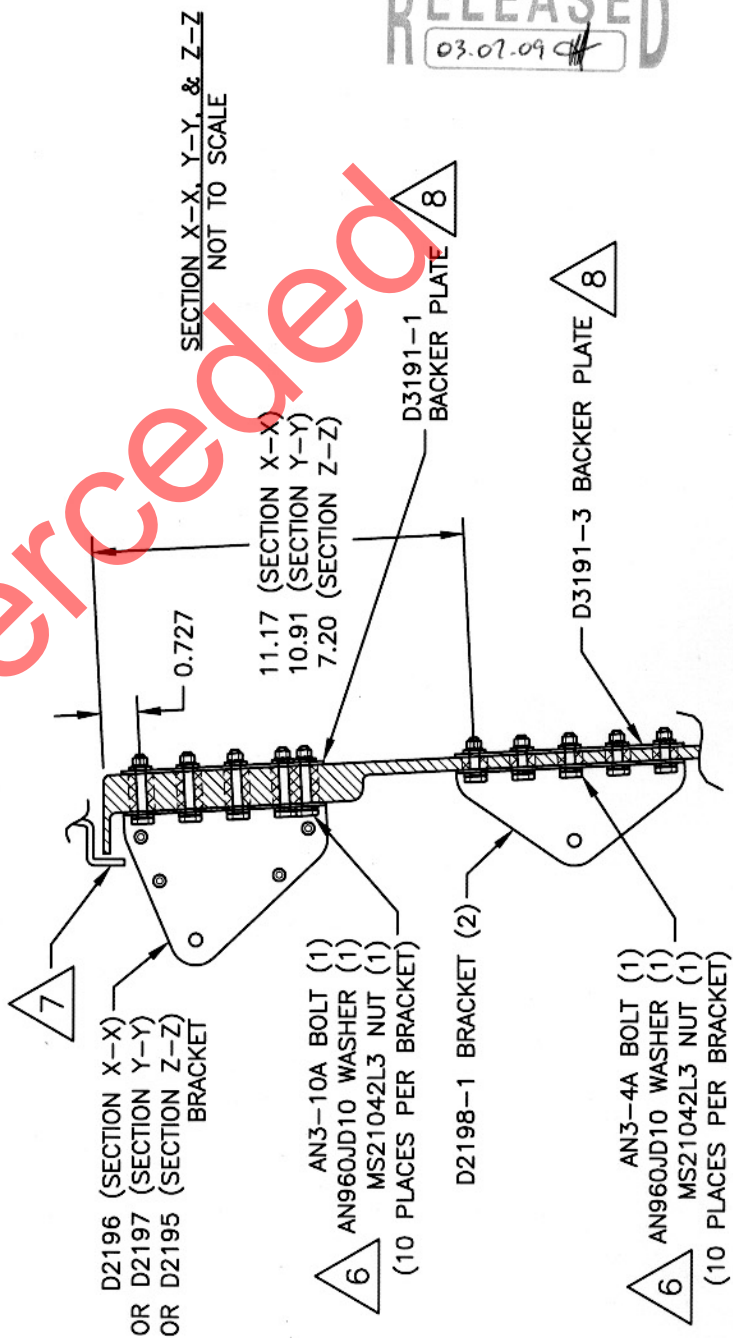


Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

DART

DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3192	REV. A SHEET 5 OF 5
DATE 03.07.01		TITLE POD ASSEMBLY	SCALE 1:15

UNDER REVIEW*UP 03.11.02*
*NCR 03-110***RELEASED**
03.07.09 *[Signature]*SECTION D-D
(LID NOT SHOWN)SECTION X-X, Y-Y, & Z-Z
NOT TO SCALE

Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.